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SHEET 1 OF 6

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GENENT.046DV1	APPLICATION NO. 10/021,121	MAY 01 2002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		TECH CENTER 1600/2900		
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APPLICANT Caras et al.		1647 APR 04 2002		
FILING DATE December 6, 2001		GROUP Unknown		

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
GW	1.	WO 95/27060	12.10.95	PCT				
	2.	WO 95/28484	10.26.95	PCT				
	3.	WO 97/15667	01.05.97	PCT				
GW	4.	WO 97/40153	30.10.97	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
GW	5	Andres et al., "Expression of two novel eph-related receptor protein tyrosine kinases in mammary gland development and carcinogenesis" <u>Oncogene</u> 9:1461-1467 (1994)
	5	Bartley et al. "B61 is a ligand for the ECK receptor protein-tyrosine kinase" <u>Nature</u> 368:558-560 (1994)
	6	Beckman et al., "Molecular characterization of a family of ligands for eph-related tyrosine kinase receptors" <u>EMBO J.</u> 13:3757-3762 (1994)
	7	Bennett et al., "Molecular cloning of a ligand for the EPH-related receptor protein-tyrosine kinase Htk" <u>Proc. Natl. Acad. Sci. USA</u> 92:1866-1870 (March 1995)
	9	Bennett et al., "Cloning and Characterization of HTK, a Novel Transmembrane Tyrosine Kinase of the EPH Subfamily" <u>Journal of Biological Chemistry</u> 269(19):14211-14218 (1994)
	10	Berkemeyer et al., Neurotrophin-5: A Novel Neurotrophic Factor That Activates trk and trkB" <u>Neuron</u> 7:857-866 (November 1991)
	8	Bohme et al., "PCR mediated detection of a new human receptor-tyrosine-kinase HEK2" <u>Oncogene</u> 8:2857-2862 (1993)
	9	Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions" <u>Science</u> 247:1306-1310 (1990)
GW	11	Buj-Bello et al., "GDNF Is an Age-Specific Survival Factor for Sensory and Automatic Neurons" <u>Neuron</u> 15:821-828 (1995)

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SHEET 2 OF 3

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. GENENT.046DV1	TECH CENTER 1600/2900 APPLICATION NO. 10/021,121
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EN	10. Burgess et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue" <u>The Journal of Cell Biology</u> 111:2129-2138 (1990)
	11. Chan and Watt, "Fek and erk, new members of the eph subclass of receptor protein-tyrosine kinases" <u>Oncogene</u> 6:1057-1061 (1991)
	12. Cheng et al., "Complementary Gradients in Expression and Binding of ELF-1 and Mek4 in Development of the Topographic Retinotectal Projection Map" <u>Cell</u> 82:371-381 (1995)
	13. Cheng et al., "Identification and Cloning of ELF-1, a Developmentally Expressed Ligand for the MEK4 and Sek Receptor Tyrosine Kinases" <u>Cell</u> 79:157-168 (1994)
	14. Davis et al., "Ligands for EPH-Related Receptor Tyrosine Kinase That Require Membrane Attachment or Clustering for Activity" <u>Science</u> 266:816-819 (November 4, 1994)
	15. Drescher et al. "In Vitro Guidance of Retinal Ganglion Cell Axons by RAGS, a 25 kDa Tectal Protein Related to Ligands for Eph Receptor Tyrosine Kinases" <u>Cell</u> 82:359-370 (1995)
	16. Fox et al., "cDNA cloning and tissue distribution of five human EPH-like receptor protein-tyrosine kinases" <u>Oncogene</u> 10(5):897-905 (1995)
	17. Frommel and Holzhtuter, "An Estimate on the Effect of Point Mutation and Natural Selection on the Rate of Amino Acid Replacement in Proteins" <u>J. Mol. Evol</u> 21:233-257 (1985)
	18. Gale et al., "Elk-L3, a Novel Transmembrane Ligand for the Eph Family of Receptor Tyrosine Kinases, Expressed in Embryonic Floor Plate, Roof Plate and Hindbrain Segments" <u>Oncogene</u> 13:1343-1352 (1996)
	19. Gilardi-Hebebreit et al., "An Eph-related receptor protein tyrosine kinase gene segmentally expressed in the developing mouse hindbrain" <u>Oncogene</u> 7:2499-2506 (1992)
	20. Hefti, F., "Nerve Growth Factor Promotes Survival of Special Cholinergic Neurons After Fimbrial Transections" <u>J. of Neuroscience</u> 6(8):2155-2162 (August 1996)
	21. Hendersen et al., "GDNF: A Potent Survival Factor for Motoneurons Present in Peripheral Nerve and Muscle" <u>Science</u> 266:1062-1064 (1994)
	22. Heumann, R., "Regulation of the Synthesis of Nerve Growth Factor" <u>J. Exp. Biol.</u> 132:133-150 (1987)
	23. Hillier et al. "EMBL Database Entry HS006163" <u>The WashU-Merck EST Project</u> (Accession No. H10006) (July 2, 1995)
	24. Hillier et al., "EMBL Database Entry Hsus7001" <u>LERK-8, A ligand for the EPH-Related Receptor Tyrosine Kinases</u> (Accession No. U57001) (July 31, 1996)
	25. Hirai et al., "A Novel Putative Tyrosine Kinase Receptor Encoded by the eph Gene" <u>Science</u> 238:1717-1720 (1987)
	26. Kiyokawa et al., "Overexpression of ERK, an EPH Family Receptor Protein Tyrosine Kinase, in Various Human Tumors" <u>Cancer Res.</u> 54 (14):3645-50 (1994)
	27. Lai et al., "An Extended Family of Protein-Tyrosine Kinase Genes Differentially Expressed in the Vertebrate Nervous System" <u>Neuron</u> 6: 691-704 (1991)
✓	28. Lazar et al., "Transforming Growth Factor $\alpha$ " Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities" <u>Molecular and Cellular Biology</u> 8(3):1247-1252 (1988)
CO	29. Leibrock et al., "Molecular cloning and expression of brain-derived neurotrophic factor" <u>Nature</u> 341:149-152 (1989)

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GW	30. Lhotak et al., "Characterization of Elk, a Brain-Specific Receptor Tyrosine Kinase" <u>Mol Cell. Biol.</u> 11:2496-2502 (1991)
	31. Maisonnier et al., "Ehk-1 and Ehk-2: two novel members of the Eph receptor-like tyrosine kinase family with distinctive structures and neuronal expression" <u>Oncogene</u> 8:3277-3268 (1993)
	32. Maisonnier et al., "Neurotrophin-3: A Neurotrophic Factor Related to NGF and BDNF" <u>Science</u> 247:1446 (1990)
	33. Ngo et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox" <u>The Protein Folding Problem and Tertiary Structure Prediction</u> Merz (ed) pp 433,442-225 (1994)
	34. Pandey et al. , "Role of B61, the ligand for te Eck Receptor Tyrosine Kinase, in TNF- $\alpha$ -Induced Angiogenesis" <u>Science</u> 268:567-569 (1995)
	35. Pasquale et al., "Identification of a developmentally regulated protein-tyrosine kinase by using anti-phosphotyrosine antibodies to screen a cDNA expression library" <u>Proc. Natl. Acad. Sci. USA</u> 86:5449-5453 (1989)
	36. Rameh and Armelin, "Tantigens 'role in ployomavirus transformation:c-myc but not c-fos or c-jun expression is a target for middle T." <u>Oncogene</u> 6:1049-1056(1991)
	37. Rudinger, J. "Characteristics of the amino acid as components of a peptide hormone sequence" , <u>Peptide Hormones</u> J.A. Parsons, University Park Press, Baltimore pp.1-17 (June 1976)
	38. Saijadi et al., "Identification of a New eph-Related Receptor Tyrosine Kinase Gene From Mouse and Chicken That Is Developmentally Regulated and Encodes at Least Two Forms of the Receptor" <u>New Biol.</u> 3(8):760-78 (1991)
	39. Saijadi et al., "Five novel avian Eph-related tyrosine kinases are differentially expressed" <u>Oncogene</u> 8:1870-13 (1993)
	40. Tang et al., "c DNA Cloning, Chromosomal Localization, and Expression Pattern of EPLG8, a New Member of the EPLG Gene Family Encoding Ligands of EPH-Related Portein-Tyrosine Kinase Receptors" <u>Genomics</u> 41:17-24 (1997)
	41. Thoenen et al. , " Physiology of Nerve Growth Facotr" <u>Annu Rev. Physiol.</u> 60:284-335 (1980)
	42. Tuzi et al., "eph, the largest known family of putative growth factor receptors" <u>Br. J. Cnancer</u> 69:417-421 (1994)
	43. Wicks et al., "Molecular cloning of HEK, the gene encoding a receptor tyrosine kinase expressed by human lymphoid tunor cell lines" <u>Proc. Natl. Acad. Sci. USA</u> 89(5):1611-1615 (1992)
	44. Winslow et al., "Cloning of AL-1, a Ligand for an Eph-Related Tyrosine Kinase Receptor Involved in Axon Bundle Formation" <u>Neuron</u> 14:973-981 (May 1995)
CD	45. Zhou et al., "Isolation and Characterization of Bsk, a Growth Factor Receptor-Like Tyrosine Kinase Assocciated With the Limbic System" <u>J. Neurosci. Res.</u> 37:129-143 (1994)

EXAMINER <i>Smith</i>	DATE CONSIDERED 4/12/04
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